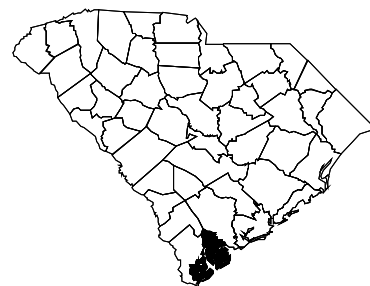


IMPACT OF CHRONIC CONDITIONS BEAUFORT County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Beaufort county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The population size of Beaufort county to date is 137,849. The majority (36%) of the population in Beaufort county are between ages of 18-44. There are equal amounts of males (50%) and females (50%). Beaufort County's minority population (24%) is lower than the state (31%). The elderly population (18%) is higher than the state (12%). When adults in DHEC's Region 8, which includes Beaufort County, were asked about their general health status, 84.8% reported having excellent, very good or good health in 2005 (SC was 82%).

	BEAUFORT COUNTY	STATE
Population size	137,849	4,255,083
Age distribution (%)		
<18	24	24
18-44	36	38
45-64	23	25
65-84	16	11
85+	2	2
Race (%)		
White	76	69
Black & Other	24	31
Sex (%)		
Male	50	49
Female	50	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Beaufort County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	15	22
Sedentary lifestyle	18	26
Overweight	62	65
High Cholesterol	31	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	28.9	.	.	.	.	31.7
Number of hospitalizations	141	105	36	61	80	5,032
Crude rate of hospitalizations (per 100,000)	102	321	34	88	117	118
Median age of hospitalized patients	57	57	60	52	62	57
Total cost of hospitalization (\$)	2,823,200	2,303,600	519,600	1,187,800	1,635,400	109,400,500
Average length of hospital stay (days)	5	5	3	4	5	5
Number of ED visits	247	163	84	87	160	7,466
Crude rate of ED visits (per 100,000)	179	498	80	126	233	175
Median age of ED patients	52	47	67	52	52	52
Total cost of ED visits (\$)	348,600	226,900	121,700	123,700	224,900	9,929,000
Number of deaths**	13	6	7	9	4	423
Age-Adjusted Death rate (per 100,000)**	8	24	5	12	4	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.8	.	.	.	.	4.1
Number of hospitalizations	1,575	465	1,110	896	679	60,901
Crude rate of hospitalizations (per 100,000)	1,143	1,421	1,056	1,294	990	1,431
Median age of hospitalized patients	72	67	72	72	72	67
Total cost of hospitalization (\$)	43,217,300	10,724,800	32,492,500	27,374,000	15,843,300	2,286,836,400
Average length of hospital stay (days)	5	5	4	5	5	5
Number of ED visits	267	80	187	138	129	12,989
Crude rate of ED visits (per 100,000)	194	244	178	199	188	305
Median age of ED patients	67	57	67	67	67	62
Total cost of ED visits (\$)	924,600	265,900	658,700	474,100	450,500	42,115,900
Number of deaths**	232	47	185	139	93	9,328
Age-Adjusted Death rate (per 100,000)**	135	186	128	181	96	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.6	.	.	.	.	3
Number of hospitalizations	307	82	225	137	170	13,925
Crude rate of hospitalizations (per 100,000)	223	251	214	198	248	327
Median age of hospitalized patients	72	62	77	72	72	72
Total cost of hospitalization (\$)	6,085,500	1,914,500	4,171,000	2,667,200	3,418,300	384,441,600
Average length of hospital stay (days)	4	6	4	4	5	6
Number of ED visits	93	23	70	47	46	2,515
Crude rate of ED visits (per 100,000)	67	70	67	68	67	59
Median age of ED patients	67	62	72	67	72	67
Total cost of ED visits (\$)	377,800	81,400	296,400	208,500	169,300	9,113,000
Number of deaths**	67	14	53	26	41	2,440
Age-Adjusted Death rate (per 100,000)**	39	49	36	33	42	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	382	144	238	156	226	15,753
Crude rate of hospitalizations (per 100,000)	277	440	226	225	329	370
Median age of hospitalized patients	62	47	72	62	67	62
Total cost of hospitalization (\$)	5,242,000	1,517,900	3,724,100	1,766,900	3,475,100	268,425,300
Average length of hospital stay (days)	4	3	4	3	4	5
Number of ED visits	746	516	230	313	433	36,543
Crude rate of ED visits (per 100,000)	541	1,577	219	452	631	859
Median age of ED patients	37	27	42	27	37	37
Total cost of ED visits (\$)	828,700	523,500	305,200	344,000	484,700	40,613,700
Number of deaths**	43	7	36	26	17	1,968
Age-Adjusted Death rate (per 100,000)**	24	28	23	31	17	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	10.8	.	.	.	.	10.3
Number of hospitalizations	194	122	71	98	96	9,027
Crude rate of hospitalizations (per 100,000)	141	373	68	142	140	212
Median age of hospitalized patients	52	52	57	52	52	52
Total cost of hospitalization (\$)	3,234,000	1,853,600	1,380,400	1,802,600	1,431,400	179,747,700
Average length of hospital stay (days)	6	6	5	6	5	6
Number of ED visits	247	191	56	96	151	9,603
Crude rate of ED visits (per 100,000)	179	584	53	139	220	226
Median age of ED patients	52	47	57	52	52	52
Total cost of ED visits (\$)	312,300	239,700	72,600	114,400	197,900	13,447,300
Number of deaths**	25	9	16	12	13	1,183
Age-Adjusted Death rate (per 100,000)**	15	37	12	16	14	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	415	110	305	235	180	16,389
Crude rate of hospitalizations (per 100,000)	301	336	290	339	262	385
Median age of hospitalized patients	67	57	67	67	67	62
Total cost of hospitalization (\$)	15,516,800	3,815,700	11,701,100	9,877,700	5,639,100	664,309,500
Average length of hospital stay (days)	7	9	7	8	6	8
Number of deaths**	279	46	232	152	127	8,617
Age-Adjusted Death rate (per 100,000)**	162	180	159	193	137	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	55	14	41	37	18	2,070
Crude rate of hospitalizations (per 100,000)	40	43	39	53	26	49
Median age of hospitalized patients	67	57	72	67	67	67
Total cost of hospitalization (\$)	2,429,500	653,500	1,776,000	1,628,700	800,800	101,377,700
Average length of hospital stay (days)	9	11	8	9	9	10
Number of deaths**	26	4	22	17	9	812
Age-Adjusted Death rate (per 100,000)**	15	16	15	22	9	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	25	10	15	-	25	1,228
Crude rate of hospitalizations (per 100,000)	36	61	29	.	29	56
Median age of hospitalized patients	52	55	52	-	52	62
Total cost of hospitalization (\$)	555,000	148,700	406,300	-	555,000	26,163,000
Average length of hospital stay (days)	2	2	3	-	2	3
Number of deaths**	20	4	16	-	20	651
Age-Adjusted Death rate (per 100,000)**	22	31	22	-	22	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	4	2	2	-	4	192
Crude rate of hospitalizations (per 100,000)	6	12	4	-	6	9
Median age of hospitalized patients	65	45	82	-	65	47
Total cost of hospitalization (\$)	51,100	23,200	27,900	-	51,100	4,668,500
Average length of hospital stay (days)	1	1	2	-	1	4
Number of deaths**	1	1	-	-	1	63
Age-Adjusted Death rate (per 100,000)**	1	6	-	-	1	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	36	15	21	22	14	2,181
Crude rate of hospitalizations (per 100,000)	26	46	20	32	20	51
Median age of hospitalized patients	67	57	72	65	75	67
Total cost of hospitalization (\$)	1,160,900	385,400	775,500	814,800	346,100	92,775,300
Average length of hospital stay (days)	7	7	7	7	6	9
Number of deaths**	74	8	66	38	36	2,703
Age-Adjusted Death rate (per 100,000)**	42	31	44	46	40	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	17	5	12	17	-	1,209
Crude rate of hospitalizations (per 100,000)	25	30	23	31	-	58
Median age of hospitalized patients	72	67	77	72	-	62
Total cost of hospitalization (\$)	408,500	96,800	311,700	408,500	-	30,356,600
Average length of hospital stay (days)	5	3	6	5	-	4
Number of deaths**	19	6	13	19	-	460
Age-Adjusted Death rate (per 100,000)**	25	62	20	25	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using IDC-10codes.

All hospitalizations of Blacks include Blacks and Others.

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